## WHAT IS CLAIMED:

1	1.	An	implant	adapted	to	be	placed	between	spinous
2	processes comprising:								
3		a sp	pacer that	t is adapte	ed to	fit b	etween	spinous pr	ocesses;
4	and								
5		a m	eans for	adjusting	the	heig	ht of the	spacer in	order to
6	adjust the spacing between the spinous processes.								
1	2.	The	implant	of claim 1	whe	erein	the spa	cer has ar	elliptical
2	shape in at	shape in at least one dimension wherein a height of the spacer in that							
3	dimension is	less	than a le	ngth of the	e sp	acer	in anoth	er dimensi	on.
1	3.	The	implant	of claim	1 v	wher	ein the	spacer ha	as a first
2	portion and a second portion which are movable relative to each other.								
1	4.	The	implant	of claim	1	whe	erein the	e adjustino	g means
2	includes a first portion and a second portion of the spacer connected by								
3	a hinge.								
1	5.	The	implant	of claim	1	whe	erein the	e adjusting	g means
2	includes the spacer of the implant further comprises a slotted sphere.								
1	6.	The	implant	of claim 5	whe	erein	the slott	ed sphere	engages
2	the first and	seco	nd portio	n of the sp	ace	r to r	maintain	the profile	height.
1	7.	The	implant	of claim 5	whe	erein	the slott	ed sphere	engages
2	a screw extending from between first and second portion of the spacer								
3	to maintain the profile height.								
1	8.	The	implant	of claim	3 w	here	in the fi	rst portion	and the
2	second portion each have a curved surface on a first side and a height								
3	adjuster contacting surface on a second side opposite the first side.								

1	9. The implant of claim 1 wherein the adjusting means of the							
2	implant further comprises a jack.							
1	10. The implant of claim 9 where the said jack is adjustable to							
2	a greater profile and a lesser profile by turning a screw in one of a first							
3	direction and a second direction.							
1	11. An implant adapted to be placed between spinous							
2	processes comprising:							
3	a body having a shaft extending therefrom;							
4	a spacer pivotally mounted on the body, the spacer							
5	including a first portion and a second portion; and							
6	a mechanism positioned between the first portion and the							
7	second portion that can adjust a space between the first and							
8	second portion.							
1	12. The implant of claim 11 wherein the spacer has an elliptical							
2	shape.							
1	13. The implant of claim 11 wherein the first portion and the							
2	second portion of the spacer are connected proximal to an end thereof							
3	by a hinge.							
1	14. The implant of claim 11 wherein the mechanism of the							
2	implant further comprises a slotted sphere.							
1	15. The implant of claim 14 wherein the slotted sphere							
2	engages the first and second portion of the spacer to maintain the profile							
3	height.							
1	16. The implant of claim 14 wherein the slotted sphere							
2	engages a screw extending from the hinge between the first and second							

portion of the spacer to maintain the profile height.

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1	<ol><li>The implant of claim 11 wherein the first portion and the</li></ol>							
2	second portion each have a curved surface on a first side and a height							
3	adjuster surface on a second side opposite the first side.							
1	18. The implant of claim 11 wherein the mechanism of the							
2	implant further comprises a jack.							
1	19. The implant of claim 18 wherein the jack engages the first							
2	and second portion of the spacer to maintain the profile height.							
1	20. The implant of claim 18 wherein the jack is adjustable to a							
2	greater profile and a lesser profile by turning a screw in one of a first							
3	direction and a second direction.							
1	21. An implant adapted to be placed between spinous							
2	processes comprising:							
3	a body having a shaft extending therefrom;							
4	a first wing extending from the shaft and adapted to be							
5	placed adjacent a first and a second spinous process;							
6	a tissue expander extending from the distal end of the							
7	shaft;							
8	a spacer that is rotatably mounted to the shaft, the spacer							
9	having a first portion and a second portion; and							
0	a mechanism that is mounted to the spacer and that can							
1	adjust the spacing between the first and second portions of the							
12	spacer.							
1	22. The implant of claim 21 wherein the spacer is elliptical in							
2	shape with the first portion and the second portion divided about a major							
3	axis of the elliptical shaped spacer.							
1	23 The implant of claim 21 wherein the first portion and the							

second portion of the spacer are connected by a hinge.

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- 1 24. The implant of claim 21 wherein the mechanism of the 2 implant further comprises a slotted sphere.
- 1 25. The implant of claim 24 wherein the slotted sphere 2 engages the first and second portion of the spacer to maintain the profile 3 height.
- 1 26. The implant of claim 24 wherein the slotted sphere 2 engages a screw extending from between the first and second portion of 3 the spacer to maintain the profile height.
- 1 27. The implant of claim 21 wherein the mechanism of the 2 implant further comprises a jack.
- 1 28. The implant of claim 27 wherein the jack engages the first 2 and second portion of the spacer to maintain the profile height.
- 1 29. The implant of claim 27 where the said jack is adjustable to 2 a greater profile and a lesser profile by turning a screw in one of a first 3 direction and a second direction.
- 1 30. An implant adapted to be placed between spinous 2 processes comprising:
- a body having a shaft extending therefrom; and
- 4 a spacer that is rotatably mounted on the shaft,
- 5 wherein the spacer has an adjustable profile.
- 1 31. The implant of claim 30 wherein the spacer has an elliptical shape.
- 1 32. The implant of claim 30 wherein the spacer has a first portion and a second portion.

1 33. The implant of claim 32 wherein the first portion and the 2 second portion of the spacer are connected by a hinge. 1 34. The implant of claim 30 wherein the spacer of the implant 2 further comprises a slotted sphere. The implant of claim 34 wherein the slotted sphere 1 2 engages the first and second portion of the spacer to maintain the profile 3 height. 1 The implant of claim 34 wherein the slotted sphere 36. 2 engages a screw to maintain the profile height. 1 37. The implant of claim 32 wherein the first portion and the 2 second portion each have a curved surface on a first side and a height 3 adjuster contacting surface on a second side opposite the first side. 1 38. The implant of claim 30 wherein the spacer of the implant 2 further includes a jack. 1 39. An implant adapted to be placed between spinous 2 processes comprising: a body having a shaft extending therefrom; and 3 4 a spacer that is rotatably mounted on the shaft; 5 wherein the spacer has a hinged body having a first portion 6 and a second portion; and 7 a device to adjust a space between the first portion and the 8 second portion. 1 40. The implant of claim 39 wherein the device of the implant

further comprises a slotted sphere.

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1	41.	The	implant of	claim	1 40 wh	erein the	slotted	sphere	
2	engages the	first a	and second po	ortion	of the sp	acer to mai	ntain th	e profile	
3	height.								
1	42.	The	implant of cla	aim 3	9 whereir	n the device	of the	implant	
2	further comp	orises	a jack.						
1	43.	A m	ethod of imp	lantin	g a devi	ce between	an up	per and	
2	lower spinous process in a spine, the method comprising:								
3		a.	exposing a	n affe	cted regi	on of the sp	ine pos	teriorly;	
4		b.	inserting	an	implant	between	the	spinous	
5	processes;								
6		c.	adjusting th	ne pro	file of the	implant; an	ıd		
7		d.	closing the	wour	nd.				
1	44.	A m	ethod of adju	sting	an intersp	oinous impla	ant, the	method	
2	comprising:								
3		a.	accessing	the im	nplant with	n a cannula;	and		
4		b.	adjusting	a pr	ofile of	the implan	t with	a tool	
5	accessed through the cannula.								
1	45.	A m	ethod of adju	usting	an impl	anted inters	pinous	implant	
2	having a body having a shaft extending therefrom, a spacer pivotally								
3	mounted on the body, and a screw for adjusting the space between a								
4	first portion	and a	second portio	n of t	he space	r, the metho	d com	prising:	
5		a.	accessing	the s	crew of	the implante	ed inte	rspinous	
6	implant through an incision with a cannula; and								
7		b.	adjusting	a pr	ofile of	the implan	t with	a tool	
8	accessed through the cannula by turning the screw of the implant								
9	in one of a first direction or a second direction.								